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Programming Questions and Solutions

Question: Remove Duplicates: Removes all duplicate values from the array.

Solution:

letar=1[1,2,3,4,2,3,4,5,6, 10)

function removeDuplicates(arr) {

let uniqueArr = [J

for (let i=0; < arrlength; i++) {

if (tuniqueArr includes aril) {

uniqueArr.push(antil);

}

}

return uniqueArr;

}

console.log(removeDuplicates(arr)); / Output: 1,2, 3, 4,5, 6, 10]

Question: Find Duplicates: Finds all duplicate values in the array.

Solution:

function findDuplicates(arr) {

let duplicates = [J

let seen = {};

for (let i=0; < arrlength; i++) {

if (seenfar(i]) {

if (tduplicates.includes(arr{i)) {

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duplicates. push(arr);

}

Yelse

seenfarr]] = true;

}

}

return duplicates;

}

console log(findDuplicates(arr)); // Output: [2, 3, 4]

Question: Find Duplicates and Count: Finds all duplicate values and their counts.

Solution:

function findDuplicatesAndCount(arr) {

let counts = {};

for (let i= 0; i < arrlength; i++) {

countsfan(i]] = (countsfarrfl || 0) + 1;

}

let duplicates = {;

for (let num in counts) {

if (countsfnum] > 1) {

duplicates{num] = counts[num;

}

}

return duplicates;

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}

console.log(findDuplicatesAndCountarr)); // Output: { 2:2, '3: 2,4 2}

Question: Remove Duplicates and Count: Removes duplicates and returns the count of unique

elements.

Solution:

function removeDuplicatesAndCountarr) {

let uniqueArr = [J

for (let i=0; < arrlength; i++) {

if (tuniqueArr includes aril) {

uniqueArr.push(antil);

}

}

return { uniqueArr, count: uniqueArr length J;

}

console. og(removeDuplicatesAndCount(ar));

1 Output: { uniqueA: [1, 2, 3, 4, 5, 6, 10], count: 7 }

Question: Add a Number in Between: Adds a number at a specific index in the array.

Solution:

function addNumberinBetween(arr, num, index) {

let result = J;

for (let i=0; < arrlength; i++) {

if (i === index) {

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result push(num);

}

result push(ardil);

}

return result;

}

console.log(addNumberinBetween(arr, 9, 3));

J/ Output: [1, 2, 3,99, 4,2, 3,4,5,6, 10]

Question: Remove a Given Number: Removes all occurrences of a given number from the array.

Solution:

function removeNumber(arr, num) {

let result = J;

for (let i=0; < arrlength; i++) {

if (ari] t= num) {

result push(arr{l);

}

}

return result;

}

console. log(removeNumber(arr, 3)); // Output: [1,2, 4, 2,4,5, 6, 10]